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\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS 1 Web Page for STN Seminar Schedule - N. America  
NEWS 2 OCT 02 CA/Cplus enhanced with pre-1907 records from Chemisches Zentralblatt  
NEWS 3 OCT 19 BEILSTEIN updated with new compounds  
NEWS 4 NOV 15 Derwent Indian patent publication number format enhanced  
NEWS 5 NOV 19 WPIX enhanced with XML display format  
NEWS 6 NOV 30 ICSD reloaded with enhancements  
NEWS 7 DEC 04 LINPADOCDB now available on STN  
NEWS 8 DEC 14 BEILSTEIN pricing structure to change  
NEWS 9 DEC 17 USPATOLD added to additional database clusters  
NEWS 10 DEC 17 IMSDRUGCONF removed from database clusters and STN  
NEWS 11 DEC 17 DGENE now includes more than 10 million sequences  
NEWS 12 DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment  
NEWS 13 DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary  
NEWS 14 DEC 17 CA/Cplus enhanced with new custom IPC display formats  
NEWS 15 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD  
NEWS 16 JAN 02 STN pricing information for 2008 now available  
NEWS 17 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances  
NEWS 18 JAN 28 USPAFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats  
NEWS 19 JAN 28 MARPAT searching enhanced  
NEWS 20 JAN 28 USGENE now provides USPTO sequence data within 3 days of publication  
NEWS 21 JAN 28 TOXCENTER enhanced with reloaded MEDLINE segment  
NEWS 22 JAN 28 MEDLINE and LMEDLINE reloaded with enhancements  
NEWS 23 FEB 08 STN Express, Version 8.3, now available  
NEWS 24 FEB 20 PCI now available as a replacement to DPCI  
NEWS 25 FEB 25 IFIREF reloaded with enhancements  
NEWS 26 FEB 25 IMSPRODUCT reloaded with enhancements  
NEWS 27 FEB 29 WPINDEX/WPIIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,  
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

**NEWS HOURS** STN Operating Hours Plus Help Desk Availability  
**NEWS LOGIN** Welcome Banner and News Items

NEWS IPC8 For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 14:14:46 ON 07 MAR 2008

$\Rightarrow$

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## ► FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSIONS
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:15:07 ON 07 MAR 2008  
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STRUCTURE FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3  
DICTIONARY FILE UPDATES: 5 MAR 2008 HIGHEST RN 1006749-26-3

New CAS Information Use Policies - enter HELP USACETERMS for details

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008

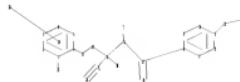
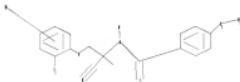
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stn/gen/stndoc/properties.html>

10577369

=>  
Uploading C:\Program Files\Stnexp\Queries\10577369.str



chain nodes :  
13 14 15 16 17 18 19 20 22 23 25 27 28 31  
ring nodes :  
1 2 3 4 5 6 7 8 9 10 11 12  
chain bonds :  
1-27 6-13 8-17 11-22 13-14 14-15 15-16 15-18 15-19 16-17 16-31 17-25  
19-20 22-23  
ring bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
exact/norm bonds :  
1-27 6-13 11-22 13-14 15-16 16-17 17-25 19-20 22-23  
exact bonds :  
8-17 14-15 15-18 15-19 16-31  
normalized bonds :  
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12  
isolated ring systems :  
containing 1 : 7 :

G1:O,S,SO2,SO3H

G2:O,S

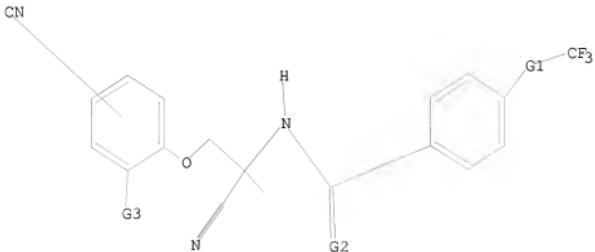
G3:Cl,Br,F,I,CF3,X

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS 20:CLASS 22:CLASS 23:CLASS 25:CLASS 27:CLASS 28:CLASS 29:Atom  
31:CLASS

10577369

L1           STRUCTURE UPLOADED

=> d l1  
L1 HAS NO ANSWERS  
L1           STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1  
SAMPLE SEARCH INITIATED 14:15:39 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED -           1 TO ITERATE

100.0% PROCESSED           1 ITERATIONS                           1 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE    \*\*COMPLETE\*\*  
                              BATCH     \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:      1 TO       80  
PROJECTED ANSWERS:         1 TO       80

L2           1 SEA SSS SAM L1

=> s l1 sss full  
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FULL SCREEN SEARCH COMPLETED -           41 TO ITERATE

100.0% PROCESSED           41 ITERATIONS                           25 ANSWERS  
SEARCH TIME: 00.00.01

L3           25 SEA SSS FUL L1

=> FIL HCPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.36	178.57

FILE 'HCAPLUS' ENTERED AT 14:15:59 ON 07 MAR 2008  
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FILE COVERS 1907 - 7 Mar 2008 VOL 148 ISS 11  
 FILE LAST UPDATED: 6 Mar 2008 (20080306/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s 13
L4          2 L3

=> d 14 ibib abs hitstr tot

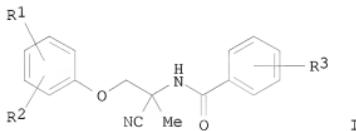
L4  ANSWER 1 OF 2  HCAPLUS  COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER:      2006:469873  HCAPLUS
DOCUMENT NUMBER:      144:488414
TITLE:                Chromatographic resolution process for the preparation
                      of enantiomers of benzamidoacetonitriles from their
                      racemates using chiral chromatographic stationary
                      phases
INVENTOR(S):          Ducray, Pierre; Gauvry, Noelle; Goebel, Thomas;
                      Pautrat, Francois
PATENT ASSIGNEE(S):    Novartis AG, Switz.; Novartis Pharma GmbH
SOURCE:               PCT Int. Appl., 19 pp.
DOCUMENT TYPE:        Patent
LANGUAGE:              English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006050887	A1	20060518	WO 2005-EP11884	20051107
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MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,  
 SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
 VN, YU, ZA, ZM, ZW  
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 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM  
 AU 2005303993 A1 20060518 AU 2005-303993 20051107  
 CA 2580247 A1 20060518 CA 2005-2580247 20051107  
 EP 1812385 A1 20070801 EP 2005-803815 20051107  
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 CN 101056849 A 20071017 CN 2005-80038335 20051107  
 IN 2007-DN02205 A 20070803 IN 2007-DN2205 20070321  
 US 2008045601 A1 20080221 US 2007-667148 20070504  
 MX 200705548 A 20070521 MX 2007-5548 20070508  
 KR 2007084061 A 20070824 KR 2007-710431 20070508  
 PRIORITY APPLN. INFO.: EP 2004-26510 A 20041109  
 WO 2005-EP11884 W 20051107

OTHER SOURCE(S): MARPAT 144:488414

GI

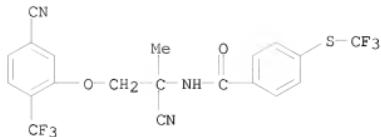


AB Pure enantiomers of benzoamidoacetonitriles [I; R1-R3 = hydrogen, halogen, nitro, cyano, (un)substituted alkyl, (un)substituted alkoxy, (un)substituted alkenyl, (un)substituted alkynyl, (un)substituted alkylthio, (un)substituted alkylsulfonyloxy, (un)substituted alkylsulfinyl, etc.; e.g., (-)-(S)-N-[1-cyano-2-(5-cyano-2-trifluoromethylphenoxy)-1-methylethyl]-4-trifluoromethylsulfanylbenzamide] are prepared by the chromatog. of alc. solns. (e.g., MeOH-EtOH mixts.) of the I racemates [e.g., N-[1-cyano-2-(5-cyano-2-trifluoromethylphenoxy)-1-methylethyl]-4-trifluoromethylsulfanylbenzamide] using chiral chromatog. stationary phases (e.g., Chiralkpak polysaccharide), followed by the epimerization of the unwanted enantiomer [e.g., (+)-(R)-N-[1-cyano-2-(5-cyano-2-trifluoromethylphenoxy)-1-methylethyl]-4-trifluoromethylsulfanylbenzamide] into the I racemate by heating an aqueous 1,4-dioxane solution of it with NaCN, followed by chromatog. re-resolution 851976-50-6P

IT RL: PEP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); PROC (Process) (chromatog. resolution process for the preparation of enantiomers of benzamidoacetonitriles from their racemates using chiral chromatog.)

RN 851976-50-6 HCPLUS

CN Benzamide, N-[1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1-methylethyl]-4-[(trifluoromethyl)thio]- (CA INDEX NAME)



IT 887148-69-8P

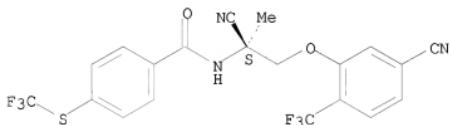
RL: PUR (Purification or recovery); PREP (Preparation)

(chromatog. resolution process for the preparation of enantiomers of benzamidoacetonitriles from their racemates using chiral chromatog.)

RN 887148-69-8 HCPLUS

CN Benzamide, N-[(1S)-1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1-methylethyl]-4-[(trifluoromethylthio)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



IT 887148-70-1P

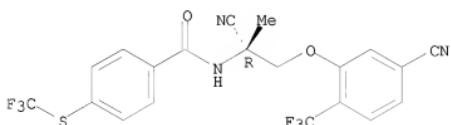
RL: PUR (Purification or recovery); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

(resolution and epimerization of)

RN 887148-70-1 HCPLUS

CN Benzamide, N-[(1R)-1-cyano-2-[5-cyano-2-(trifluoromethyl)phenoxy]-1-methylethyl]-4-[(trifluoromethylthio)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT

L4 ANSWER 2 OF 2 HCPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:429386 HCPLUS

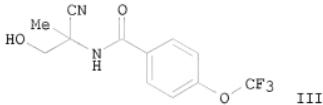
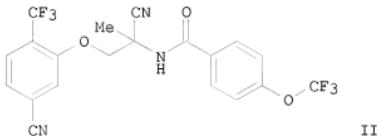
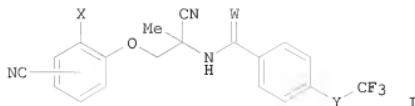
DOCUMENT NUMBER: 142:481750

TITLE: A preparation of acetonitrile derivatives, useful as pesticides

INVENTOR(S): Gauvry, Noelle; Goebel, Thomas; Ducray, Pierre;  
 Pautrat, Francois; Kaminsky, Ronald; Jung, Martin  
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.  
 SOURCE: PCT Int. Appl., 48 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044784	A1	20050519	WO 2004-EP12559	20041105
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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CA 2544741	A1	20050519	CA 2004-2544741	20041105
EP 1682493	A1	20060726	EP 2004-797665	20041105
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
BR 2004016294	A	20070123	BR 2004-16294	20041105
CN 1902162	A	20070124	CN 2004-80039913	20041105
JP 2007510632	T	20070426	JP 2006-537263	20041105
MX 2006PA05036	A	20060706	MX 2006-PA5036	20060504
KR 793462	B1	20080114	KR 2006-708717	20060504
IN 2006CN01565	A	20070706	IN 2006-CN1565	20060505
US 2007072944	A1	20070329	US 2006-577369	20060626
PRIORITY APPLN. INFO.:			EP 2003-25290	A 20031106
			GB 2004-2677	A 20040206
			WO 2004-EP12559	W 20041105

OTHER SOURCE(S): MARPAT 142:481750  
 GI



**AB** The invention relates to a preparation of acetonitrile derivs. of formula I [wherein: X is Cl, Br, or CF<sub>3</sub>; Y is a single bond, O, S, S(O), or SO<sub>2</sub>; W is O or S], useful as pesticides. The active ingredients have advantageous pesticidal properties. They are especially suitable for controlling parasites in and on warm-blooded animals. For instance, acetonitrile derivative II was prepared via etherification of alc. III by 3-fluoro-4-trifluoromethylbenzonitrile. The efficacy was calculated as the % reduction of the number of worms in each gerbil, compared with the geometric average

of number of worms from 6 infected and untreated gerbils (mongolian gerbils, 3.2 mg/kg; H. contortus.: 100%; T. colubriformis.: 100%).

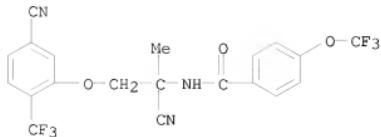
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**RL:** AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of acetonitrile derivs. useful as pesticides)

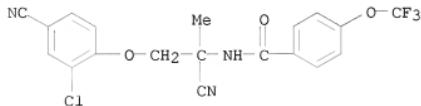
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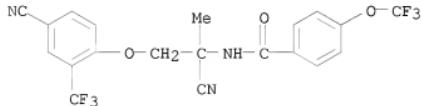
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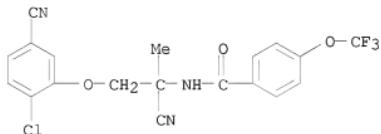
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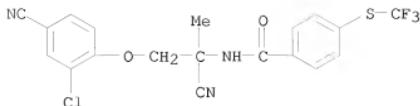
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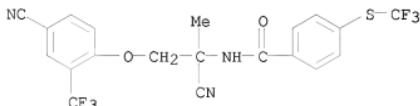


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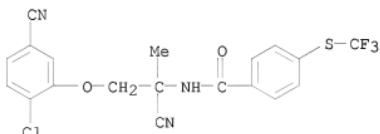
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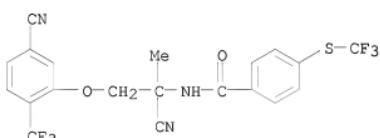
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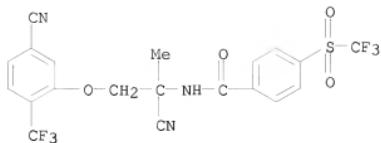
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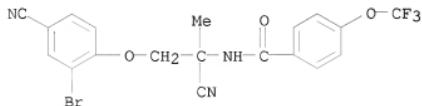


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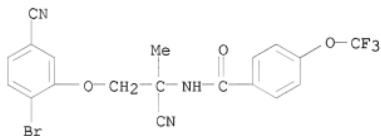
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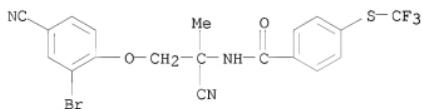
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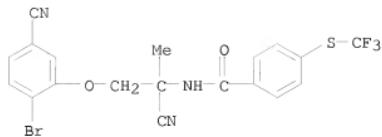
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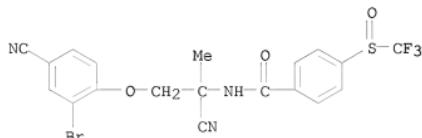
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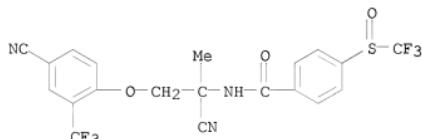
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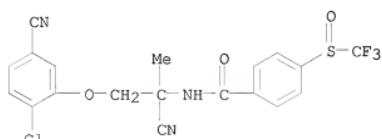
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RN 851976-69-7 HCAPLUS

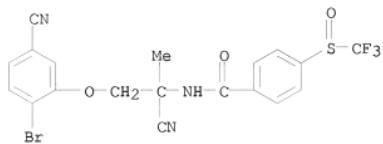
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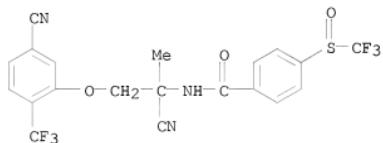
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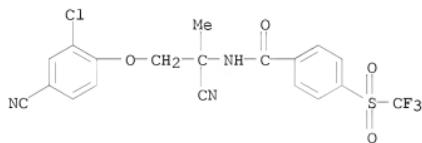
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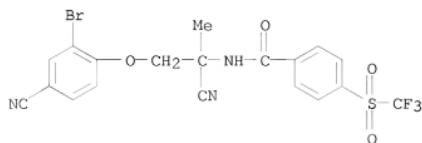
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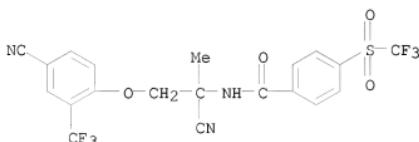
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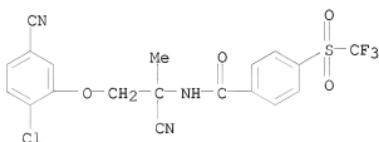


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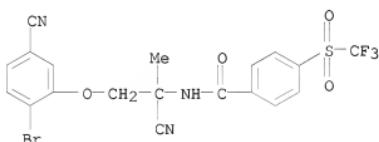
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RN 851976-78-8 HCPLUS  
CN Benzamide, N-[2-(2-chloro-5-cyanophenoxy)-1-cyano-1-methylethyl]-4-[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)



RN 851976-80-2 HCPLUS  
CN Benzamide, N-[2-(2-bromo-5-cyanophenoxy)-1-cyano-1-methylethyl]-4-[(trifluoromethyl)sulfonyl]- (CA INDEX NAME)



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